

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: James A. Proctor, Jr.

Continuation Application of

Application No.: 09/301,484

Filed: April 28, 1999

For: FORWARD ERROR CORRECTION SCHEME FOR HIGH RATE
DATA EXCHANGE IN A WIRELESS SYSTEM

Date: <u>8/4/03</u>
EXPRESS MAIL LABEL NO. <u>EV 214943036US</u>

REMARKS

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The above-captioned application is a continuation of application number 09/301,484 filed on April 28, 1999 to which priority is claimed under 35 U.S.C. §120.

A related applications paragraph has been added as the first paragraph in the specification.

The specification has been revised to incorporate amendments entered in the parent application. No new matter has been added.

The Applicants would appreciate the Patent Office's careful consideration of these remarks prior to a first action in this continuation application. The claims are new and one paragraph has been replaced to correct an obvious typographical error. Applicants believe that no new matter is introduced by the claims.

In the specification, the paragraph at page 2, lines 6 through 11 has been replaced with the following paragraph:

--Another example of a wireless CDMA system providing multiple parallel traffic channels for high data rate exchange may be found in issued U.S. patent no. 6,151,332, entitled "Protocol Conversion and Bandwidth Reduction Technique Providing Multiple nB+ D ISDN Basic Rate Interface Links Over a Wireless Code Division Multiple Access Communication System," the disclosure of which is incorporated herein.--

With respect to the claims, claims 1, 4-8, 11-16, 27, 28, 30, 32-34, and 36-40 correspond more or less to claims that were allowed in the parent application. The change that has been made is that the present claims discuss transmitters, receivers, or communication systems that are wireless instead of being limited to CDMA (Code Division Multiple Access). This application contains several reference to the use of wireless communication systems, particularly at page 6, lines 3-4. Claims 1 and 27 include an additional change in that the present claims discuss a summer that produces an aggregate signal instead of being limited to an adder. This application contains reference to the outputs of the modem processors being "summed," at page 4, line 13.

Claim 35 corresponds more or less to a claim that was allowed in the parent application. The change that has been made is that the present claim discusses spread-spectrum transmission code. This application contains several references to the use of techniques known in the IS-95 standard for CDMA cellular communication, particularly at page 5, lines 19-20. CDMA is generally known as a form of spread-spectrum communications.

New claims 2, 3, 20, 29, 31, 35 are also directed to spread spectrum signals.

New independent claim 19 is directed to the combination of a wireless transmitter and wireless receiver. This application contains several references to the use of wireless communications systems including a transmitter and a receiver, particularly at page 6, lines 3-8, where it is stated that the techniques of the present invention find application in a variety of wireless communications systems that include functionality of both the transmitter and receiver.

New claims 9, 10, 17, and 18 are directed to the concept of pooling devices (*i.e.*, modems, demodulators, FEC coders, FEC decoders). This application contains several references to the concept of pooling devices in a wireless communication system, particularly at page 6, lines 16-18.

Finally, new claims 21-26 are directed to the nature in which two-way communications are provided (*e.g.*, full duplex, non full duplex). This application contains reference to the concept of two way wireless communications being full duplex and/or non full duplex, particularly at page 6, lines 8-10.

Pursuant to 37 C.F.R. 1.63(d)(4), please note that a new Power of Attorney was submitted in parent Application No. 09/301,484. Please send all correspondence in the above-identified continuation application to: Customer No. 021005; Hamilton, Brook, Smith & Reynolds, P.C., 530 Virginia Road, P.O. Box 9133, Concord, Massachusetts 01742-9133. In addition, please direct all telephone calls to David J. Thibodeau, Jr. at (978) 341-0036, and all facsimile communications to (978) 341-0136.

Respectfully submitted,

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